



Agricultural
Research
Service

United States
Department of
Agriculture

Official ARS Laboratory Notebook

Notebook No. II

Name WORK LOG MAY 1970

Location TEAMITE COLLECTION

CRIS Project No. 1

Title CALIFORNIA DATA

Dates Used: From MAY 1970 To JULY 1970



Agricultural
Research
Service

United States
Department of
Agriculture

Guidelines for Proper Use of Your ARS Laboratory Notebook

- Use this book as a daily log for your research work plans and results.
- Do not write in the notebook in pencil or other erasable medium.
- Make corrections by crossing through the item and initialing.
- Do not remove any pages from this book.
- Cross-reference instrument printouts when such data is retained in a separate location.
- Date entry and initial each filled page. Periodically have your entries witnessed (signature and date) by another employee, particularly where patentable information or data pertinent to regulatory activities could possibly be entered.
- This book and the information contained therein is the property of the Agricultural Research Service.

Cleo + Larissa
50103

John Combs Jr.
662 99

Yukaraiha Fall

~~Socks~~
atlantii Sept. 5/96
no. church st.

353-1897
✓ 8/11/97
3013451697

New tiny nests collected by wed, Dec 14

Rodrigues Anton

on tree - 20 yds. from road, ca 3/4 m
from station at Iwerkane

WORK LOG - TRIMITE COLLECTION

1

3

4 MAY 1970 - 10:00 AM - 4:30 PM DMR610

Looked over entire step - card catalog, cabinets, jars etc much
to see what the situation was. Did the following first steps toward
organization:

1) Put all labelled trays together, in alpha order, in the
most appropriate cabinet (usually the one where most of the
trays with flat cabinet letters were). Put Q, R + C together ^{24?} _{85%}
in the most appropriate place I could see (they were widely
separated). Put all labelled trays/jars from all steps
of cabinets into a ^{28-trays} _{28-trays} ^{MADE clearer labels on} _{trays so I could see them} ^{page}
2) put all labelled jars into trays wherever possible.
3) tried to look up partially labelled + unlabeled ^{when}
jars to see if I could find where they should ^{reside}
go by looking in card catalog - with little success. which
insufficient info exists on the jars and
in the cards! I don't say this ^{especially} ^{tried}
most of them if ever get them back in the trays.
4) cleaned glass on top of doors of pink species
put all jars of types with white, numbered tops
in numerical order on bottom shelves of tall cabinet.
5) Put letters on cabinet doors in pencil
So I could see where they were since they
are not alphabetical but in mixed up order
6) Put miscellaneous supplies and unlabeled bottles in tall cabinet

10 MAY 1970 - 9:30 AM -

DMR610

2nd part

me. a.

rehe

1990-1996 County

BD 694-Termite Collector

Sunday Perard-

BDG 94-4- Cow Chip, same area - TINY 25% ! 24, 2 ♀-males
85% ♀ ♀ to Abrolhos for DNA Colony saved in bag

BD694-5- grass - clump & tennis nest growing around

RDG 94-6 - Dead branch = suntrap and termite invasion
water - mussels? \rightarrow No 24 floatable - whole
colony keeps in bag above

~~and few~~ BD 694-7 - Cow chick - 45% 4, 2

Iwokrama - woods near Chir
Sunday - Dec. 11

4
7/20/94

11, 12, 13, 14 - MK Nest Photographs & numbers

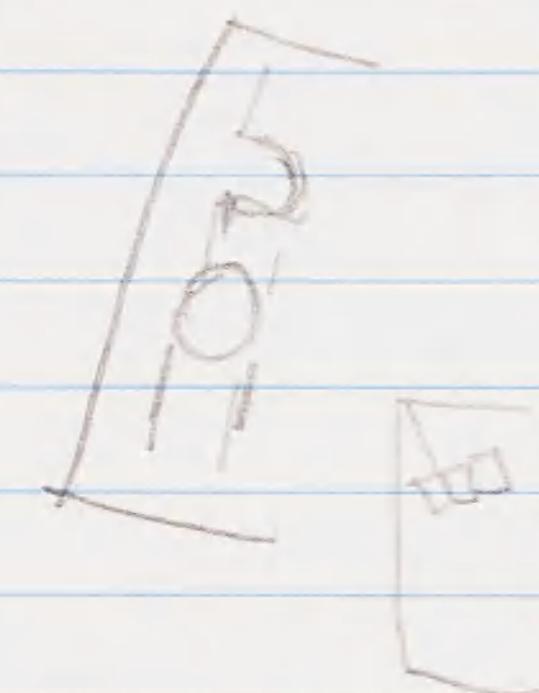
✓ BDG 94-12: *Labidostomis labialis* - nest up tree
get more 4/21 on 4 ft. - concussed, most dead insects
for worker adults - 14 ♀ ♀ saved - 85% Alcy, 3 workers
Saved - many adults

BDG 94-13: *Acutitermes* sp.

get 1 ♂ *Archotermes obesus* (Hagen)

BDG 94-14 - *Nasutitermes* sp.

Fin: 14, 16



1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th, 101st, 102nd, 103rd, 104th, 105th, 106th, 107th, 108th, 109th, 110th, 111th, 112th, 113th, 114th, 115th, 116th, 117th, 118th, 119th, 120th, 121st, 122nd, 123rd, 124th, 125th, 126th, 127th, 128th, 129th, 130th, 131st, 132nd, 133rd, 134th, 135th, 136th, 137th, 138th, 139th, 140th, 141st, 142nd, 143rd, 144th, 145th, 146th, 147th, 148th, 149th, 150th, 151st, 152nd, 153rd, 154th, 155th, 156th, 157th, 158th, 159th, 160th, 161st, 162nd, 163rd, 164th, 165th, 166th, 167th, 168th, 169th, 170th, 171st, 172nd, 173rd, 174th, 175th, 176th, 177th, 178th, 179th, 180th, 181st, 182nd, 183rd, 184th, 185th, 186th, 187th, 188th, 189th, 190th, 191st, 192nd, 193rd, 194th, 195th, 196th, 197th, 198th, 199th, 200th, 201st, 202nd, 203rd, 204th, 205th, 206th, 207th, 208th, 209th, 210th, 211st, 212nd, 213rd, 214th, 215th, 216th, 217th, 218th, 219th, 220th, 221st, 222nd, 223rd, 224th, 225th, 226th, 227th, 228th, 229th, 230th, 231st, 232nd, 233rd, 234th, 235th, 236th, 237th, 238th, 239th, 240th, 241st, 242nd, 243rd, 244th, 245th, 246th, 247th, 248th, 249th, 250th, 251st, 252nd, 253rd, 254th, 255th, 256th, 257th, 258th, 259th, 260th, 261st, 262nd, 263rd, 264th, 265th, 266th, 267th, 268th, 269th, 270th, 271st, 272nd, 273rd, 274th, 275th, 276th, 277th, 278th, 279th, 280th, 281st, 282nd, 283rd, 284th, 285th, 286th, 287th, 288th, 289th, 290th, 291st, 292nd, 293rd, 294th, 295th, 296th, 297th, 298th, 299th, 300th, 301st, 302nd, 303rd, 304th, 305th, 306th, 307th, 308th, 309th, 310th, 311st, 312nd, 313rd, 314th, 315th, 316th, 317th, 318th, 319th, 320th, 321st, 322nd, 323rd, 324th, 325th, 326th, 327th, 328th, 329th, 330th, 331st, 332nd, 333rd, 334th, 335th, 336th, 337th, 338th, 339th, 340th, 341st, 342nd, 343rd, 344th, 345th, 346th, 347th, 348th, 349th, 350th, 351st, 352nd, 353rd, 354th, 355th, 356th, 357th, 358th, 359th, 360th, 361st, 362nd, 363rd, 364th, 365th, 366th, 367th, 368th, 369th, 370th, 371st, 372nd, 373rd, 374th, 375th, 376th, 377th, 378th, 379th, 380th, 381st, 382nd, 383rd, 384th, 385th, 386th, 387th, 388th, 389th, 390th, 391st, 392nd, 393rd, 394th, 395th, 396th, 397th, 398th, 399th, 400th, 401st, 402nd, 403rd, 404th, 405th, 406th, 407th, 408th, 409th, 410th, 411st, 412nd, 413rd, 414th, 415th, 416th, 417th, 418th, 419th, 420th, 421st, 422nd, 423rd, 424th, 425th, 426th, 427th, 428th, 429th, 430th, 431st, 432nd, 433rd, 434th, 435th, 436th, 437th, 438th, 439th, 440th, 441st, 442nd, 443rd, 444th, 445th, 446th, 447th, 448th, 449th, 450th, 451st, 452nd, 453rd, 454th, 455th, 456th, 457th, 458th, 459th, 460th, 461st, 462nd, 463rd, 464th, 465th, 466th, 467th, 468th, 469th, 470th, 471st, 472nd, 473rd, 474th, 475th, 476th, 477th, 478th, 479th, 480th, 481st, 482nd, 483rd, 484th, 485th, 486th, 487th, 488th, 489th, 490th, 491st, 492nd, 493rd, 494th, 495th, 496th, 497th, 498th, 499th, 500th, 501st, 502nd, 503rd, 504th, 505th, 506th, 507th, 508th, 509th, 510th, 511st, 512nd, 513rd, 514th, 515th, 516th, 517th, 518th, 519th, 520th, 521st, 522nd, 523rd, 524th, 525th, 526th, 527th, 528th, 529th, 530th, 531st, 532nd, 533rd, 534th, 535th, 536th, 537th, 538th, 539th, 540th, 541st, 542nd, 543rd, 544th, 545th, 546th, 547th, 548th, 549th, 550th, 551st, 552nd, 553rd, 554th, 555th, 556th, 557th, 558th, 559th, 560th, 561st, 562nd, 563rd, 564th, 565th, 566th, 567th, 568th, 569th, 570th, 571st, 572nd, 573rd, 574th, 575th, 576th, 577th, 578th, 579th, 580th, 581st, 582nd, 583rd, 584th, 585th, 586th, 587th, 588th, 589th, 590th, 591st, 592nd, 593rd, 594th, 595th, 596th, 597th, 598th, 599th, 600th, 601st, 602nd, 603rd, 604th, 605th, 606th, 607th, 608th, 609th, 610th, 611st, 612nd, 613rd, 614th, 615th, 616th, 617th, 618th, 619th, 620th, 621st, 622nd, 623rd, 624th, 625th, 626th, 627th, 628th, 629th, 630th, 631st, 632nd, 633rd, 634th, 635th, 636th, 637th, 638th, 639th, 640th, 641st, 642nd, 643rd, 644th, 645th, 646th, 647th, 648th, 649th, 650th, 651st, 652nd, 653rd, 654th, 655th, 656th, 657th, 658th, 659th, 660th, 661st, 662nd, 663rd, 664th, 665th, 666th, 667th, 668th, 669th, 670th, 671st, 672nd, 673rd, 674th, 675th, 676th, 677th, 678th, 679th, 680th, 681st, 682nd, 683rd, 684th, 685th, 686th, 687th, 688th, 689th, 690th, 691st, 692nd, 693rd, 694th, 695th, 696th, 697th, 698th, 699th, 700th, 701st, 702nd, 703rd, 704th, 705th, 706th, 707th, 708th, 709th, 710th, 711st, 712nd, 713rd, 714th, 715th, 716th, 717th, 718th, 719th, 720th, 721st, 722nd, 723rd, 724th, 725th, 726th, 727th, 728th, 729th, 730th, 731st, 732nd, 733rd, 734th, 735th, 736th, 737th, 738th, 739th, 740th, 741st, 742nd, 743rd, 744th, 745th, 746th, 747th, 748th, 749th, 750th, 751st, 752nd, 753rd, 754th, 755th, 756th, 757th, 758th, 759th, 760th, 761st, 762nd, 763rd, 764th, 765th, 766th, 767th, 768th, 769th, 770th, 771st, 772nd, 773rd, 774th, 775th, 776th, 777th, 778th, 779th, 780th, 781st, 782nd, 783rd, 784th, 785th, 786th, 787th, 788th, 789th, 790th, 791st, 792nd, 793rd, 794th, 795th, 796th, 797th, 798th, 799th, 800th, 801st, 802nd, 803rd, 804th, 805th, 806th, 807th, 808th, 809th, 810th, 811st, 812nd, 813rd, 814th, 815th, 816th, 817th, 818th, 819th, 820th, 821st, 822nd, 823rd, 824th, 825th, 826th, 827th, 828th, 829th, 830th, 831st, 832nd, 833rd, 834th, 835th, 836th, 837th, 838th, 839th, 840th, 841st, 842nd, 843rd, 844th, 845th, 846th, 847th, 848th, 849th, 850th, 851st, 852nd, 853rd, 854th, 855th, 856th, 857th, 858th, 859th, 860th, 861st, 862nd, 863rd, 864th, 865th, 866th, 867th, 868th, 869th, 870th, 871st, 872nd, 873rd, 874th, 875th, 876th, 877th, 878th, 879th, 880th, 881st, 882nd, 883rd, 884th, 885th, 886th, 887th, 888th, 889th, 890th, 891st, 892nd, 893rd, 894th, 895th, 896th, 897th, 898th, 899th, 900th, 901st, 902nd, 903rd, 904th, 905th, 906th, 907th, 908th, 909th, 910th, 911st, 912nd, 913rd, 914th, 915th, 916th, 917th, 918th, 919th, 920th, 921st, 922nd, 923rd, 924th, 925th, 926th, 927th, 928th, 929th, 930th, 931st, 932nd, 933rd, 934th, 935th, 936th, 937th, 938th, 939th, 940th, 941st, 942nd, 943rd, 944th, 945th, 946th, 947th, 948th, 949th, 950th, 951st, 952nd, 953rd, 954th, 955th, 956th, 957th, 958th, 959th, 960th, 961st, 962nd, 963rd, 964th, 965th, 966th, 967th, 968th, 969th, 970th, 971st, 972nd, 973rd, 974th, 975th, 976th, 977th, 978th, 979th, 980th, 981st, 982nd, 983rd, 984th, 985th, 986th, 987th, 988th, 989th, 990th, 991st, 992nd, 993rd, 994th, 995th, 996th, 997th, 998th, 999th, 1000th, 1001st, 1002nd, 1003rd, 1004th, 1005th, 1006th, 1007th, 1008th, 1009th, 1010th, 1011st, 1012nd, 1013rd, 1014th, 1015th, 1016th, 1017th, 1018th, 1019th, 1020th, 1021st, 1022nd, 1023rd, 1024th, 1025th, 1026th, 1027th, 1028th, 1029th, 1030th, 1031st, 1032nd, 1033rd, 1034th, 1035th, 1036th, 1037th, 1038th, 1039th, 1040th, 1041st, 1042nd, 1043rd, 1044th, 1045th, 1046th, 1047th, 1048th, 1049th, 1050th, 1051st, 1052nd, 1053rd, 1054th, 1055th, 1056th, 1057th, 1058th, 1059th, 1060th, 1061st, 1062nd, 1063rd, 1064th, 1065th, 1066th, 1067th, 1068th, 1069th, 1070th, 1071st, 1072nd, 1073rd, 1074th, 1075th, 1076th, 1077th, 1078th, 1079th, 1080th, 1081st, 1082nd, 1083rd, 1084th, 1085th, 1086th, 1087th, 1088th, 1089th, 1090th, 1091st, 1092nd, 1093rd, 1094th, 1095th, 1096th, 1097th, 1098th, 1099th, 1100th, 1101st, 1102nd, 1103rd, 1104th, 1105th, 1106th, 1107th, 1108th, 1109th, 1110th, 1111st, 1112nd, 1113rd, 1114th, 1115th, 1116th, 1117th, 1118th, 1119th, 1120th, 1121st, 1122nd, 1123rd, 1124th, 1125th, 1126th, 1127th, 1128th, 1129th, 1130th, 1131st, 1132nd, 1133rd, 1134th, 1135th, 1136th, 1137th, 1138th, 1139th, 1140th, 1141st, 1142nd, 1143rd, 1144th, 1145th, 1146th, 1147th, 1148th, 1149th, 1150th, 1151st, 1152nd, 1153rd, 1154th, 1155th, 1156th, 1157th, 1158th, 1159th, 1160th, 1161st, 1162nd, 1163rd, 1164th, 1165th, 1166th, 1167th, 1168th, 1169th, 1170th, 1171st, 1172nd, 1173rd, 1174th, 1175th, 1176th, 1177th, 1178th, 1179th, 1180th, 1181st, 1182nd, 1183rd, 1184th, 1185th, 1186th, 1187th, 1188th, 1189th, 1190th, 1191st, 1192nd, 1193rd, 1194th, 1195th, 1196th, 1197th, 1198th, 1199th, 1200th, 1201st, 1202nd, 1203rd, 1204th, 1205th, 12

At Arnold - This pm

Concho
or
minerals

Mean to
Det.

BDG 95-24 - whole thing of sand is not
greenish - It is yellowish - Get yellowish

BDG 94-25 - from rocks at new beach back
get these to foreign visitors for souvenirs
Author not? Large on last - last record
very broken so of little use - very descriptive
from rocks - Get all possible

BDG 95-26 - Apertures pink rocks -
Coll. White - Monday Film from
around

BDG 95-26 - HSC Apertures sp. STAR
BDG 95-27 - Cedar not in back of
wall but otherwise - so back rock to
be broken - and there are a few
from back to above - but not
large

BDG 95-28 - Used the stem of forest trees
of sand - pink - above there were - HSC -
of pink Mucronulites sp.

BDG 95-29 - Reflexum? from dead tree
at side of road - + are

BDG 94-30 - This has to be the smallest possible
that has evolved from dead plant - have
not been - Subuliforme, maybe lanceolatum Chet

Once upon a time, there was a boy named Jason

Jason lives in a community in the north Rupunim, situated in the village of Surama. His father is a mill-keeper and trapper, ~~and a skilled~~ ^{wolf-wor}. Like many other residents of the area, he has many skills. Jason's father builds beautiful furniture. His mother ~~not~~ ^{Madonna} ~~also~~ ^{cooks} well for her family and also looks after the food for the staff and visitors who come to the new field station at Iwokrama. She is one of the great cooks of the country, and makes visitors feel very comfortable.

Jason belongs to ~~a~~ ^{original} ~~people~~ ^{the} ~~group~~ ^{of} ~~people~~ ^{the} original residents who have lived here for thousands of years.

They have learned ~~much~~ about the plants - trees, ~~trees~~ those that are good for food, those that are good for medicine, and those that can poison or hurt the person who ~~comes~~ ^{touches} them.

The Jason's people have learned how to use these plants in a way that lets the plants continue to survive - the forests are beautiful, with many kinds of trees and low-growing epiphytes. People, ^{from all over the world} interested in botany and in medicinal uses of plants come to Guyana to study, and the people of Jason's community and others like them can teach visitors much of value.

Aquiri = Ganti

The rivers are full of fish, turtles, ^{snails} ~~and~~ ~~giant~~ ~~giant~~, all good to eat. The forest also has many kinds of fruits and other animals like the Aquiri, the Latba, ~~the~~ ^{and Tapir} Bush Cow. There have different names in other countries.

Aquiri is also called Agouti

Latba is also called Pacca or Tapirine

Bush Cow is also called Tapir

Tapir is also called Tapir

The people use the river for transportation; it causes and motor boats get people ~~back~~ to where they wish to go.

The residents ^{inhabitants} of river communities enjoy legal fruits: Coconuts, Banana, Plantains, Fish and Turtles from the river; and game from the forest. Gardening provide most ^{mainly} crops (ground provision) including Celerata for bread and seasoning and vegetable such as Okra, Tomatoes, peppers, and

Selected Colony Sizes

Dry at Daywan (Kabulistan)
Heterotermes (^{soft} damp/dry wood) - dead tree, decaying - 1500

T. schwageri small dead mangrove ~~1200~~ 1200

Cryptotermes hardyi - 3000 - structural lumber

most *Archotermes* Heterotermes
Heterotermes ^{concreta} - 3000
+ ^{grisea} - 1800

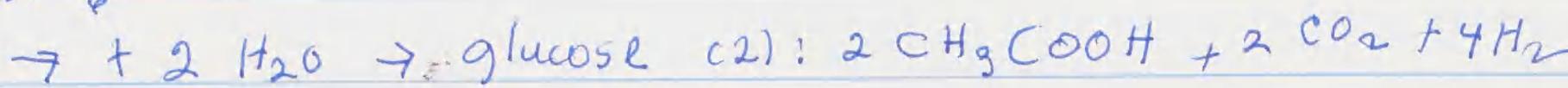
Tree Subterraneus

Heterotermes ann. - 0.3 million

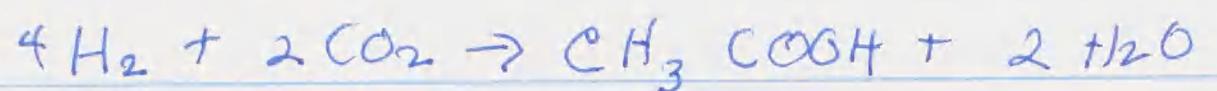
Cryptotermes formosanus - 1.4 - 3.9 million

Neotermes evae - > 1 million

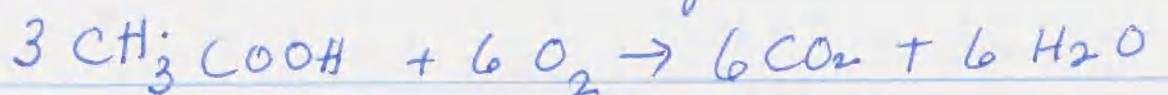
Cellulose : $C_6 H_{12} O_6$



then: CO_2 -reducing Acetogenic bacteria convert H_2 and CO_2 to an additional acetate molecule:



3 net acetates formed per glucose monomer are absorbed from the hindgut and oxidized by the Termite to support up to 100% of the insect's respiratory requirement:



Reduction of CO_2 by methanogenic bacteria will yield H_2 and CH_4 . H_2 and CH_4 are also emitted by Termites, but the amount of emitted methane is small in wood-feeders.

Range, CH_4 emitted: maximum of product from ferrite / hr.

wood feeders : 0.00 → 1.30* (most less than 0.30)
(single species)

Grass feeders : 0.18

Fungus griseus ; ~~0.03~~ - 0.25 - 0.47

Soil judges : 0.39 → 1.09 most above 0.45

Feb. 13, 1995

Cyperaceae - Beach Survey

2 species of carex on beach & Spartina
- littoralis - found by B + D Ford
Feb. 17, 1995 - York

CB 95-1 - 21, A - 25% and for DNA

LC 95-9 - Carex stans - in pile of washed
debris on beach and ~~promontory~~ ~~met~~ met a
Point Point Beach - on depositary shore
exposed to currents carrying debris from Janus
Pore beach - taken ^{step} high tide ~~met~~
Collector: Barbara Ford (233 Sundance Lane,
Watsonville, CA - 95076 - FAX 415:852-4148
(96 David Ford)

LC 95-10 - C. stans - from large pile of debris on
beach, shore just below Point Point, 1 going toward
Spartina Beach - Col. B. Ford, Extension Captain
in sand beneath ~~the~~ ^{young} wood ca 6 ft. long
100 ft. wide, ca 8" thick. Soil borers not
Nymph numerous esp. in carpet.

Many other pieces of debris on beach had
living leaves of hastatula. 3, 5, NW 30.

LC 95-11 - Feb. 16 - same place, small piece of drift wood
Kaleumitidae, prob. Spartina 3, B. DNA + 85%.

80 26
Name:

Address / FAX #

Re paragraph
l = line

Please call me at 809: ~~for today~~ to confirm receipt and
resolve possible questions. Wednesday morning - 10:30 - 12:00 N.

Requested changes:

Page 1 - ~~l¹~~ l.5 - father taught Agriculture; (the Biology year
was ~~a~~ emergency fill-in); l₆ - ... to study Biology.

Exp. Note (Genetics was not a separate discipline ~~then~~ ^{then} ~~those~~ day)

l⁷ --- curriculum, she changed to Arts programs, but
later, on the advice of a competent new biologist,
~~she~~ reentered the Biology program. He recommended
U of Chicago and Ecology as her most rewarding
area and [↑] place of ~~study~~ for further study.

P₄, l¹ - she married a fellow Biology major while ~~an~~ an
^{confidential} undergraduate; his call to military service and the
^{on page 2} dependency allowance allowed her to enter the University
of Chicago Zoology department in 1944.

Page 2 - ~~l¹~~ l² - delete "still".

P₁ - l¹ 8. --- with maintenance of the many term^{ps}, etc.

P₂ - l² delete "for vacant posts" - the faculty members
were mainly too old for military service.

l⁴. Delete entire section; substitute: The end of WWII
permitted her husband to finish his undergraduate pre-medical
education; and he chose Howard University, ~~in Washington~~.
She joined him, and secured employment in the
Zoology department there. She taught during the
regular school year, ~~and~~ returned to Chicago in
summers to complete her research for the doctorate.

~~Granted~~ Awarded in 1949; in 1950 ~~she~~ qualified ^{for} Assistant
Professor; when this was not granted in 1951, she accepted

185 28 29
a full professorship at Florida A & M in Tallahassee,
where she served as teacher, ^{and} department head, ~~and briefly~~,
~~as of 1963~~ until 1963. ~~She then returned to Howard.~~

She was an active participant in the civil rights
movement of the late 50's, and, at one time, with
students and the ^{Chairwoman of the} ~~Chairwoman of the~~ ^{new} department
searched a newly-equipped building for a
threatened bomb plant.

She returned to Howard, and Washington, D.C. to
improve educational opportunities for her children

(2 sons ~~aged 7 & 10~~ at Howard, two of her
best - - -

She went to Guyana first in the late 70's, and eventually
was given permission to rebuild the field station at Kaibato

Prop 3 1.2 ~~Collins had~~ ^{5th} ~~and~~ amassed a large collection
of Guyanese termites, identified with the aid
of Emerson's excellent key and help from
his ~~material~~ collection ^{slide} housed at the
American Museum of Natural History. ~~She~~ She
expressed interest in providing a reference
collection for the Biological Diversity Program of Guyana
established so effectively by Dr. Vicki Funk -
and her interests fitted well with the important
discipline of microbial ^{genomics} identification by the
molecular Systematics / Microbiology disciplines
represented by Dr. Karp -

Prop 4 - 2.6r suitable "material" for "specimens"; or
don't want the Fish & Wildlife Service on our necks.

Introduction

History of Termitidae Studies on the Aegean Islands

History of Termite Studies in the Cayman Islands

The first formal ~~attempt~~^{expedition} collections of termites on the Cayman Islands was the Oxford University Cayman Island Geological expedition in 1938. ~~He~~ ^{specimens} Mr. C. Bertrand Lewis, of the Entomology department at The Oxford University museum, was responsible for the insect, and he sent these specimens to Dr. Alfred Emerson, the University of Chicago, for identification. Emerson's reply, dated Jan. 2, 1940 is in the archive of the Cayman Islands, Emerson

30 32
? just list the Termites Emerson
determined the fauna to include 68 species, as follows:
Halotermitidae:

Incisitermes trituberculatus Snyder ^{1/2} ^{not for ent}
a large termite found in driftwood and in dead trees
in moist areas, especially mangroves; common in Red
Bay area before draining operations; first described
from Panama, found ~~also~~ in Honduras, Belize and many
Caribbean Islands

2 sp. undetermined species of Incisitermes; ~~not to~~
~~confuse~~ Emerson held these for further study
and association with the proper soldier.

Neotermes angustoculus Snyder ^{now} Neotermes
costatus ^{permeante} ^{1/2} a larger Halotermitidae
~~nest sites~~ ^{extreme} ^{say} dead branches of live tree and
^{or in} ^{very} damp dead wood; ~~not~~ found attacking
Aniseado ~~tree~~ and Pecan trees, and common in
the roots of Oleander. This termite attacks young
teak trees in Cuba, and damage fruit and
nut trees in south Florida. This species has been
recorded from Barbados, Cuba, Dominica, Hispaniola,
Jamaica, Manaus, Puerto Rico, Trinidat and Taba
and Caicos. No structural damage recorded, but
considerable agricultural damage.

An undetermined species of Cryptotermes, alates taken at
light trap (Little Cayman)

A new species of Cryptotermes alate to be full until
soldier has been located (Little Cayman)

Termitidae

Nasutitermes pilifrons (Holmgren) - now Nasutitermes
nigriceps (Faldeman) - a termite with soldiers
having heads prolonged to a hollow "mace"; through whose
Microcerotermes ^{defensive} ^{glove} can be ^{squeezed}
alboreus ^{Emerson}, taken on (with
66 GP) Grand Cayman and Cayman Br.

This material ~~not~~ is now in England (part); the
specimens ^{Emerson} retained for study are ~~now~~
in the American Museum of Natural History collection
with the rest of Emerson's material; ~~now~~ they are
now on loan to us for completing the termite
survey.

Museum - go along front going North
Before sunrise Sun

949-7820
m. Sunup 9/10
Church St. GT
West Bay

Coll. 10
1949

museum - go along front going North
Before Breege River

949-7820

ne. Breege River

Church St. GT

90

~~West Bay~~

Collins
Dav

? Just list the Termites ^{American}
determined the fauna to include ⁶⁸ species, as follows:

Halotermitidae:

Incisitermes trogozus Grayen

Local of damage to a
large termite found in different and in dead trees
in moist areas, especially mangroves; common in Red
Bay area before draining operations; first described
from Panama. Found ~~also~~ in Honduras, Belize and many
Caribbean Islands

2 sp. undetermined species of Incisitermes; ~~not to~~
~~confuse~~ - Emerson held these for further study
and association with the proper soldier.

Neotermitess angusticollis Snyder

castaneus Seumeister, a larger Halotermitidae

~~nesting~~ ^{nesting} ~~on~~ ^{on} dead branches of live tree and ^{Snyder}
~~or in~~ ^{or in} ~~very~~ ^{very} damp dead wood; ~~now~~ found attacking
Anacardio ~~tree~~ and Pecan trees, and common in
the roots of Oleander. This termite attacks young
teak trees in Cuba, and damage fruit and
nut trees in south Florida. This species has been
recorded from Barbados, Cuba, Dominican Republic,
Jamaica, Montserrat, Puerto Rico, Trinidat and Taba
and Caicos. No structural damage recorded, but
considerable agricultural damage.

An undetermined species of Cryptotermes, alates taken at
light trap (Little Cayman)

A new species of Cryptotermes alate to be full until
soldier has been located (Little Cayman)

Termitidae

Nasutitermes pilifrons (Holmgren) - now Nasutitermes

nigriceps (Haldeman) - a termite with soldiers
having legs prolonged to a hollow "nasus" through which
Microcerotermes depressus glue can be squirted
(GFB) ground cayman and Cayman glue

This material ~~is~~ is now in England (part); the
specimens ^{from} ~~from~~ Emerson retained for study are ~~now~~ ^{now}
in the American Museum of Natural History collection
with the rest of Emerson's materials; ~~now~~ they are
now on loan to us for completing the termite
survey.

Little Cayman Brains

vit A, Beta-Carotene

AlFolFor tablets

EPO - Primrose Oil

~~vitamin C caps~~

folic acid

B6

B100

TAURine

pantothenic acid 0.5

54 Ginkgold

call Shirley Marchen

Cook Book to Gladys

paper work

Insurance

85%

absolute alcohol

pack Hanging sleeve

Ivory soap

clear channels

ET 27

can open gastro

Rich & Sarita Turman
525 Macon Dr.
Bismarck, ND 58504

701-258-0092

Rich & Sarita Turman

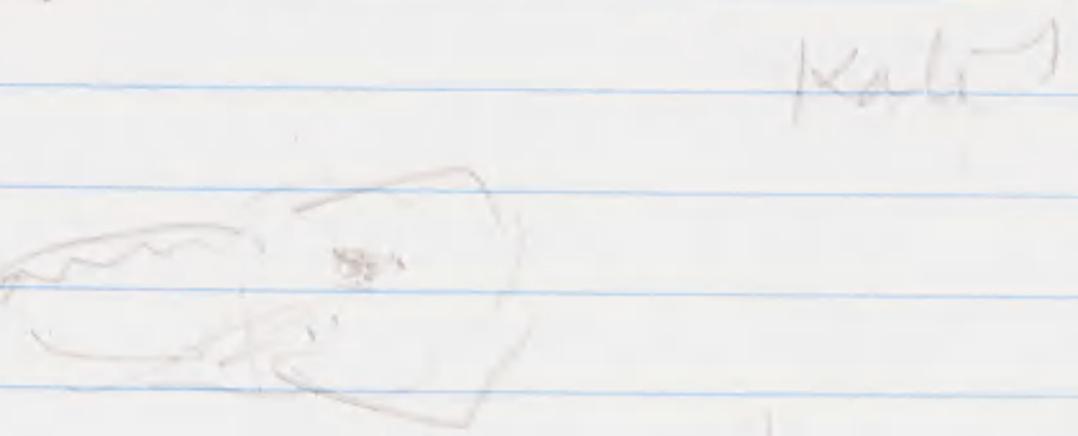
525 Macon Dr.

Bismarck, ND 58504

701-258-0092



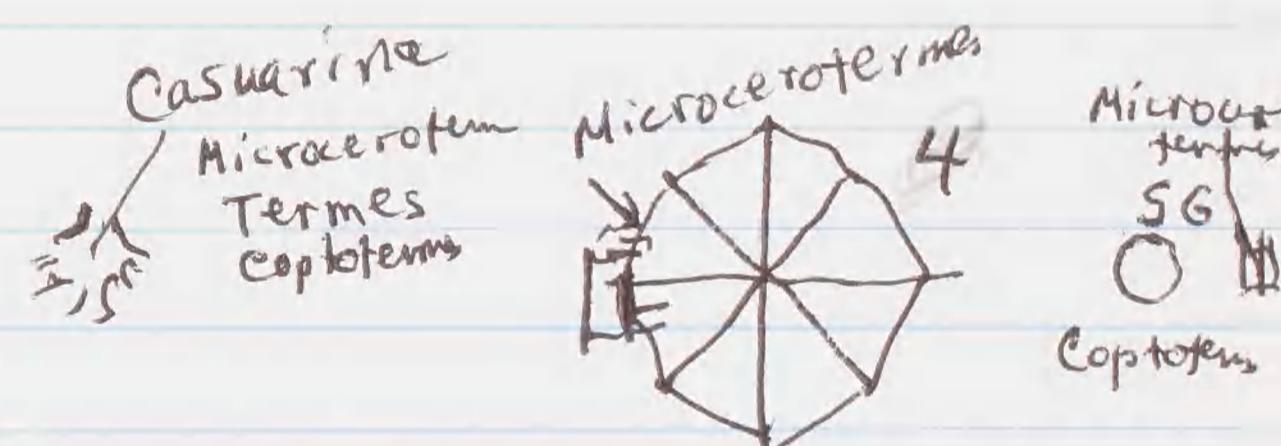
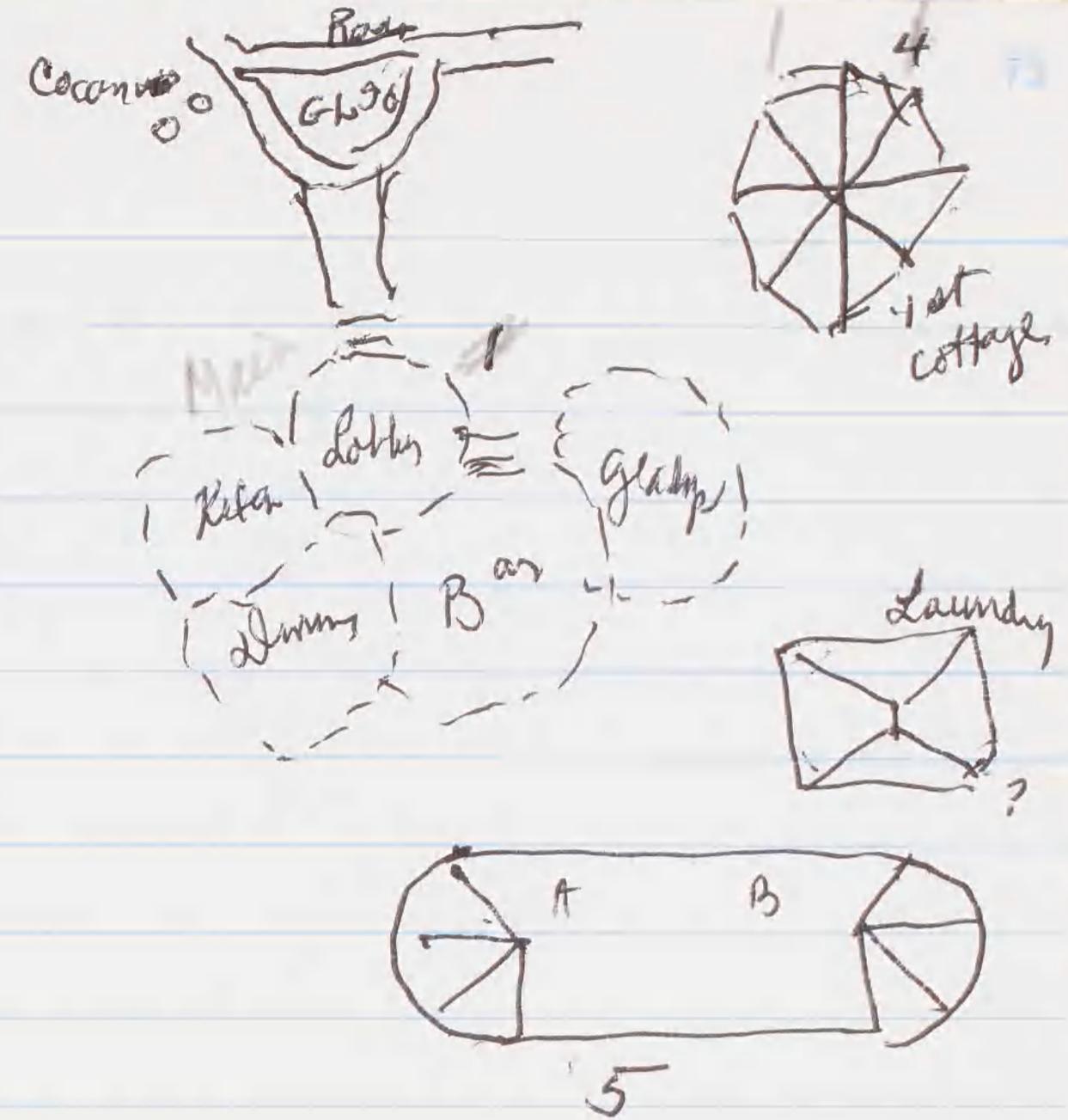
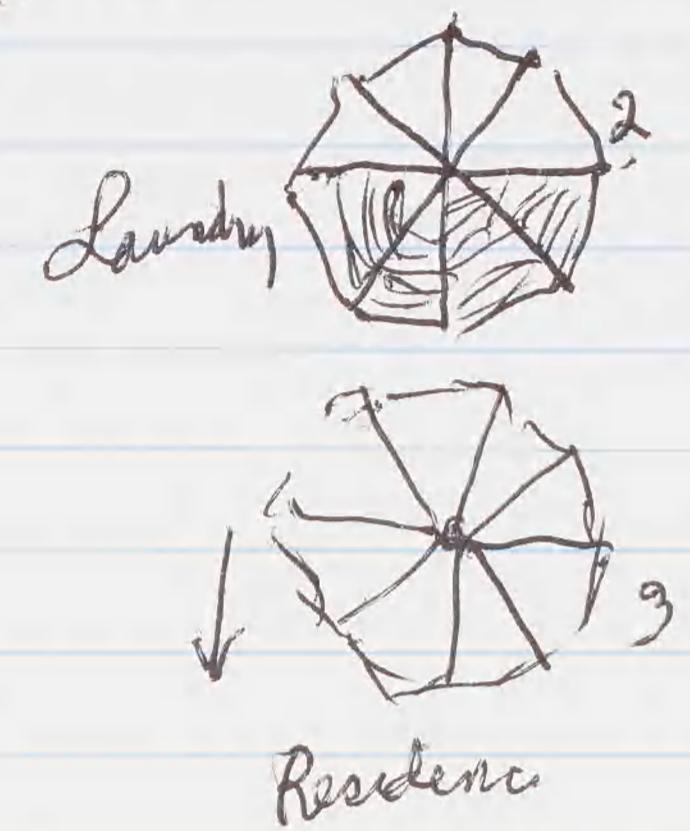
tempe

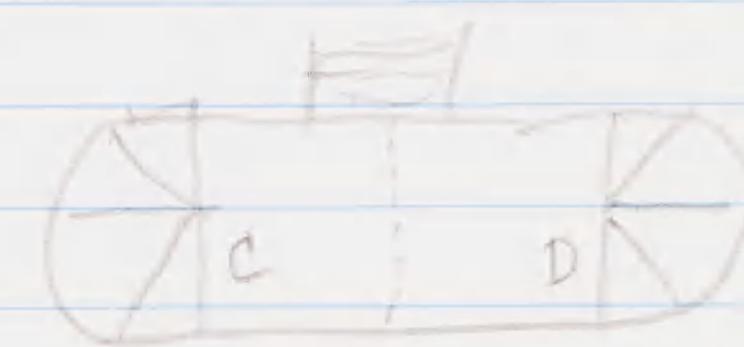


Kali

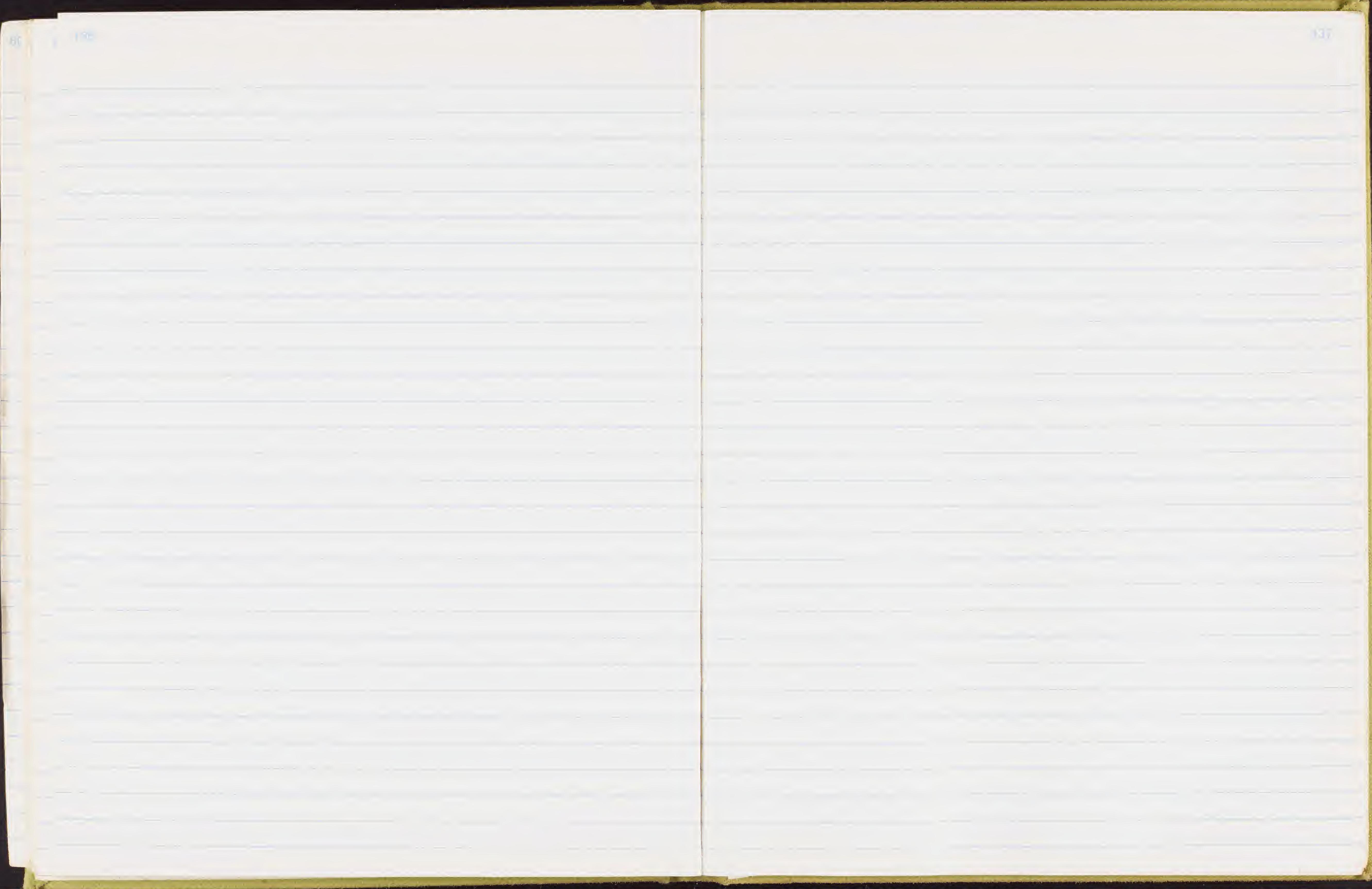


1, 15

1. Main Building



Unit 5



Dr. Nan-Yao Su

Univ. Feb. ~~Report~~ at H. Landerdale

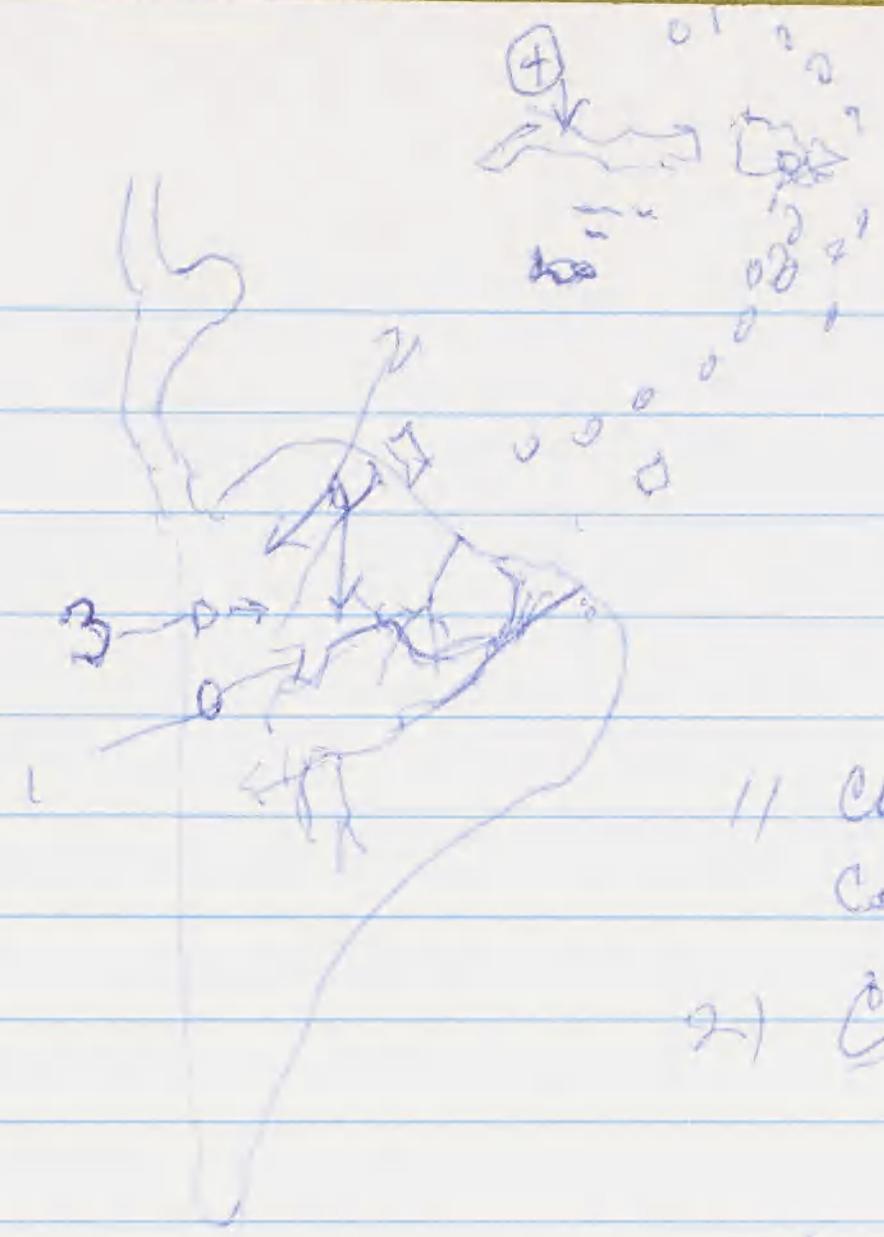
305: 475-4125

Living ^{Monica} ~~E.~~ hawaiiensis abundant in drift weed at or just
above normal high tide line, and ~~in~~ ^{between} ~~between~~
~~between~~ on depositing shore, along with
definite from Jamaica. Nymphs with long wing
pads present. ~~will~~ will check Cayman Brac.
Please inform you that all is well with me:

H. B. Collins 301: 868-5362

186
80

187



1) *Conostomium cyphozonaster*: Bolivia, Peru,
C. caripinum

2) *C. caripinum*: Bolivia, Brazil, Venezuela,
 Guyana, Surinam

3) *C. latifolium* - Ecuador

4) *C. quinquevittatum* Kress, Schreyer,
 Räsin

There was once a boy named Jason:

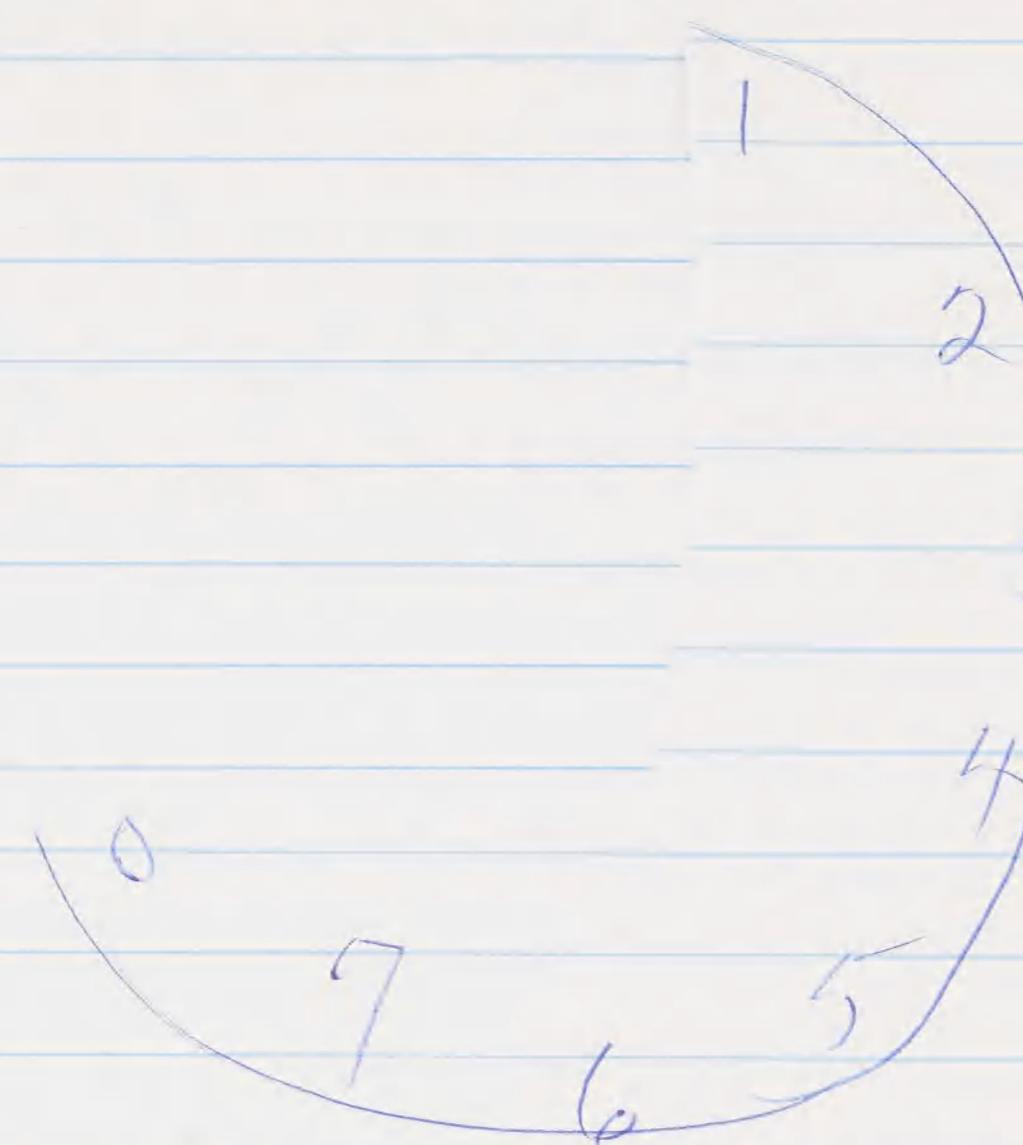
Mother: Malissa Alberta Allcock

Father: Kenneth Butler

grandfather:

Before Ingleton Station, they lived at
— Surama —

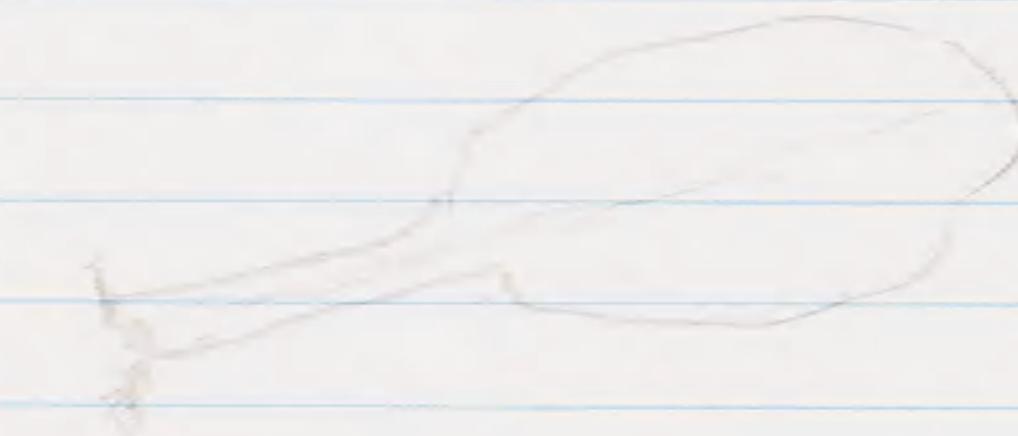
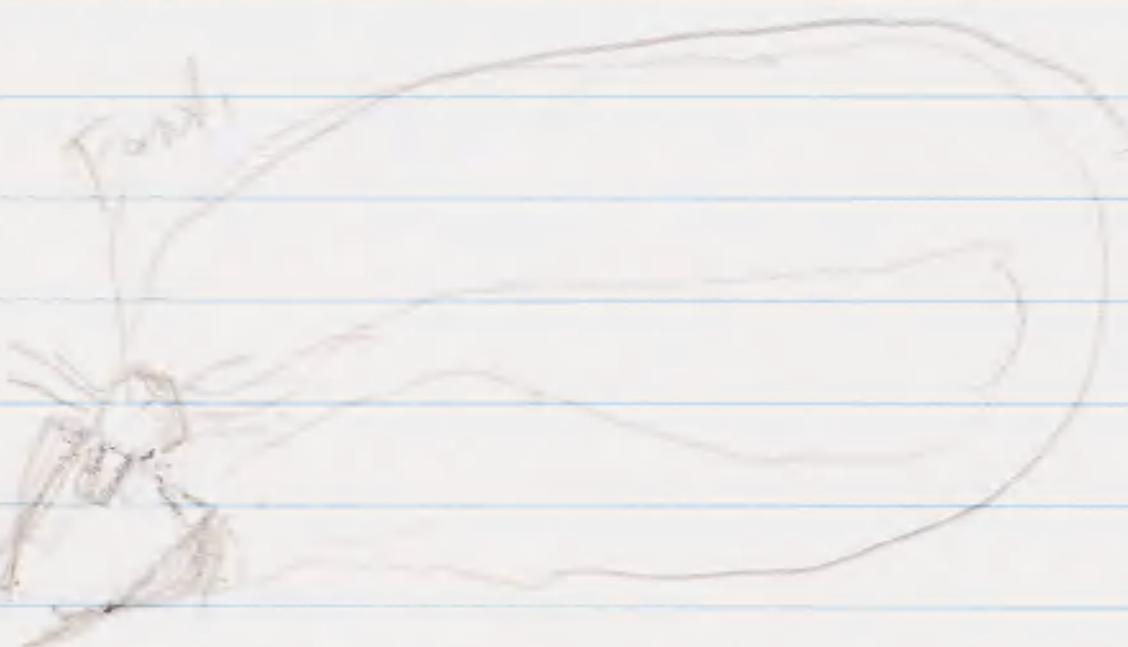
Margaret
S. Coll: 1642 ~~Brumis~~



DNA
KC 95
7

80
System Lost Communication to
7/5, Saturday, Oct. 17th at
11:50 am.

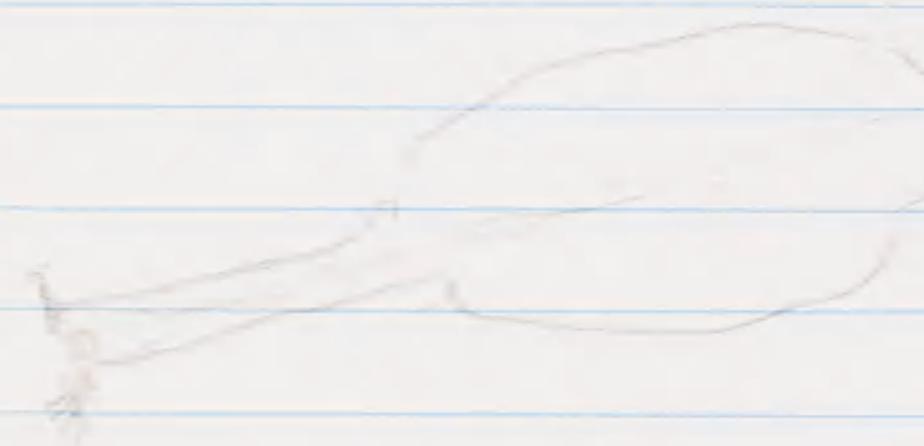
Medium
satellite
Cyan



System No.

7/5, Satu

11.50 ar



Ashton Ebanks

West Bay

P.O. Box 218

Grand Cayman

Cayman Islands

B.W.I.

809 949 3532

Dive

Herbal medicine
practitioner
Grand Cayman

